

Hardware Installation

Connecting to the Console Port and Ethernet Port

- 1. Attach one end of the supplied RS-232 cable to PC or terminal and the other end to the console port of the SP1684B front panel. The connected terminal or PC must support the terminal emulation program.
- 2. Connect one end of an RJ-45 cable to the Ethernet port at the front panel and the other end to PC or terminal for web interface management.

Cabling Requirements for 1000Base-SX/LX SFP Module

SP1684B supports the more complex and comprehensive TP cabling in the fiber media. Basically, there are two categories of fiber, multimode and single mode. The later is categorized into several classes by the distance supported. They are SX, LX, LHX, XD and ZX. From the viewpoint of connector type, there mainly are LC and Bi-Di LC.

- Gigabit Fiber with multimode LC SFP module
- Gigabit Fiber with single-mode LC SFP module
- Gigabit Fiber with Bi-Di LC 1310nm SFP module
- Gigabit Fiber with Bi-Di LC 1550nm SFP module

For more details, please refer to user manual.

CE Mark Warning

This equipment complies with the requirements relating to electromagnetic compatibility of the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States. Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

Configuration

Web-based User Interface

Before using web management, install the SP1684B on the network and make sure that any one of the PCs on the network can connect with the SP1684B through the web browser. The default IP, subnet mask, username and password are as follows:

IP Address: **192.168.1.254**
Subnet Mask: **255.255.255.0**
User Name: **admin**
Password: **[leave blank]**

Login in the Console Interface

When the connection between SP1684B and PC is ready, turn on the PC and run a terminal emulation program or Hyper Terminal and configure its communication parameters to match the following default characteristics of the console port:

Baud Rate: **38400 bps**
Data Bits: **8**
Parity: **none**
Stop Bit: **1**

After finishing the parameter settings, click “OK”. When the blank screen shows up, press **Enter** key to bring out the login prompt. Key in the “**admin**” (default value) for the User name and leave the Password field blank (use **Enter** key to switch), then press Enter key and the command line interface of console management appears.

-----For more details, please refer to user manual.-----

Communicate via *Micro network*



Quick Installation Guide

24-port 10/100/1000Mbps Layer 2 Managed Switch

Model No.: SP1684B



Introduction

Micronet SP1684B Gigabit Layer 2 Managed Switch offers Gigabit performance and a full set of layer 2 networking management features at an affordable cost, suitable for high performance workgroups and server applications. With 10/100/1000Mbps RJ-45 ports and shared mini-GBIC slots for fiber optic connection, it delivers maximum throughput to high performance users or provides a backbone to a growing business network. .

Package Contents

Before you start installing the device, verify the following items are in the package:

- SP1684B Managed Switch
- Quick Installation Guide
- Manual CD
- RS-232 cable
- Mounting accessory
- Power Cord

Key Features

- Compliant with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, and IEEE802.3z 1000Base-LX/SX standards.
- SP1684B provide 24 RJ-45 ports of 10/100/1000M and 4 shared mini-GBIC slots for fiber extension
- Support IEEE 802.3ad Link Aggregation, up to 8 trunk groups, up to 14 ports for each group.
- Support IEEE802.1q tag-based VLAN, and IEEE802.1p traffic prioritization (CoS)
- Support broadcast storm control
- Support jumbo frame up to 9216K bytes
- Support 802.1d STP, 802.1w Rapid STP, IEEE802.1s MSTP
- Support 802.1x port-based authentication and port security with MAC address
- Support IGMPV1, IGMPV2, IGMPv3
- Support SNMPV1, SNMPV2, SNMPV3

Physical Description

SP1684B



Front Panel



Rear View

LED definition:

SP1684B LED light for port 1-24				
Group	LED Name	LED color	LED Function	
System	POWER	Green	ON	Power On
			OFF	Power Off
Port 1~24	LINK/ACT	Green	ON	Link at 10/100 Mbps
			OFF	No Link
			BLINK	Traffic Detected
	GIGABIT	Amber	ON	Link at 1000 Mbps
			OFF	Link at 10/100 Mbps or No Link

RESET Button:

To restore switch configuration to factory defaults
Press the Reset button for more than 10 seconds, switch configuration will be restored to factory defaults and then reboots.